ELSEVIER

Journal of Magnetism and Magnetic Materials 218 (2000) 295–297

Journal of magnetism and magnetic materials

www.elsevier.com/locate/jmmm

Author index to volume 218

Albayrak, E. and M. Keskin, The spin-3/2 Blume–Capel model on the Bethe lattice using the recursion method 121
Albrecht, M., see Maret, M. 151
Aymard, L., see Khélifati, G. 42

Baberschke, K., see Lindner, J. 10
Bauer, M., R. Lopusnik, J. Fassbender and B. Hillebrands, Magnetization reversal in ultrashort magnetic field pulses 165
Bedair, S.M., see Reed, M.L. 177
Benhamou, M., see Chahid, M. 287
Berar, J.F., see Maret, M. 151
Bishop, J.E.L., see Huo, S. 103
Bucher, E., see Maret, M. 151
Busbridge, S.C., see Wang, B.W. 198
Buschow, K.H.J., see Schobinger-Papamantellos, P. 31

Chahid, M. and M. Benhamou, Spin time-relaxation within strongly coupled paramagnetic systems exhibiting paramagnetic–ferrimagnetic transitions 287
Chen, D.-X., L. Pascual and Y.-F. Li, Enhanced circular susceptibility of nearly-zero magnetostrictive amorphous wires under axial bias field L5
Coehoorn, R., see Oepts, W. 114

Dai, W., B.G. Shen, D.X. Li and Z.X. Gao, Application of high-energy Nd–Fe–B magnets in the magnetic refrigeration 25
Date, S.K., see Joy, P.A. 229
Davies, H.A., see Mendoza-Suárez, G. 97
Davies, H.A., see Huo, S. 103
De Boer, F.R., see Schobinger-Papamantellos, P. 31
De Groot, C.H., see Schobinger-Papamantellos, P. 31
De Jonge, W.J.M., see Oepts, W. 114
De V. du Plessis, P., see Kaczorowski, D. 238
Diao, X.G., R.B. Scorzelli and H.R. Rechenberg, ^{57}Fe Mössbauer study of perovskite-type Fe–Ni nitrides γ'-$(Fe_{1-x}Ni_x)_4N$ $(0 \leqslant x \leqslant 0.8)$ 81
Dimitrov, D.V., J. van Ek, Y.F. Li and J.Q. Xiao, Nucleation field in synthetic antiferromagnet stabilized with uniaxial or unidirectional anisotropy 273
Dürr, H., see Mirone, A. 137
Dudzik, E., see Mirone, A. 137

Ehrenberg, H., G. Wltschek, R. Theissmann, H. Weitzel, H. Fuess and F. Trouw, The magnetic structure of $FeNbO_4$ 261
El Amraoui, Y. and A. Khmou, Phase diagrams and magnetic properties of Ising thin film. Part II: exchange interaction anisotropy near the surface film 182
El-Masry, N.A., see Reed, M.L. 177
Escalante-García, J.I., see Mendoza-Suárez, G. 97

Farle, M., see Lindner, J. 10
Fassbender, J., see Bauer, M. 165
Fuess, H., see Ehrenberg, H. 261
Fujiwara, H. and T. Zhao, Effective magnetic anisotropy vector field L129

Gao, Z.X., see Dai, W. 25
Glavatska, N.I. and K. Ullakko, Isomagnetic martensitic transformation in Ni_2MnGa alloys 256
González, J., see Murillo, N. 53
Goya, G.F., H.R. Rechenberg and J.Z. Jiang, Magnetic irreversibility and relaxation in $CuFe_2O_4$ nanoparticles 221
Gu, B.X., B.G. Shen and H.R. Zhai, Magnetic properties of amorphous $Nd_4(Fe_{1-x}Si_x)_{77.5}B_{18.5}$ alloys 49
Gui, Z., see Zhang, H. 67
Guimarães, A.P., see Sinnecker, E.H.C.P. L132

Hagiwara, K., see Wada, H. 203
Hillebrands, B., see Bauer, M. 165
Huo, S., J.E.L. Bishop, J.W. Tucker, W.M. Rainforth and H.A. Davies, 3-D micromagnetic simulation of a Bloch line between C-sections of a 180° domain wall in a {100} iron film 103

Jartych, E., J.K. Żurawicz, D. Oleszak and M. Pękała, Structure and magnetic properties of mechanosynthesized iron–tungsten alloys 247
Jiang, J.Z., see Goya, G.F. 221
Jiles, D.C., see Xiao, J. 60
Joy, P.A. and S.K. Date, Comparison of the zero-field-cooled magnetization behavior of some ferromagnetic and ferrimagnetic systems 229

0304-8853/00/$ - see front matter © 2000 Elsevier Science B.V. All rights reserved.
PII: S0304-8853(00)00469-8

Kaczorowski, D., M.B. Tchoula Tchokonte, A.M. Strydom and P. de V. du Plessis, Magnetic behaviour of $TbCu_4Ag$ and $DyCu_4Ag$ 238
Keskin, M., see Albayrak, E. 121
Köhler, J., see Maret, M. 151
Khélifati, G., J.M. Le Breton, L. Aymard and J. Teillet, Recombination of the $Nd_2Fe_{14}B$ phase after reactive milling under hydrogen of a Nd–Fe–B powder 42
Khmou, A., see El Amraoui, Y. 182
Kimura, T., see Kobayashi, K.-I. 17
Kobayashi, K.-I., T. Okuda, Y. Tomioka, T. Kimura and Y. Tokura, Possible percolation and magnetoresistance in ordered double perovskite alloys $Sr_2Fe(W_{1-x}Mo_x)O_6$ 17
Kools, J.C.S., see Oepts, W. 114
Korenivski, V., see Sukstanskii, A. 144

Le Breton, J.M., see Khélifati, G. 42
Li, D.X., see Dai, W. 25
Li, L., see Zhang, H. 67
Li, Y.-F., see Chen, D.-X. L5
Li, Y.F., see Dimitrov, D.V. 273
Li, Y.X., see Wang, B.W. 198
Lindner, J., P. Poulopoulos, M. Farle and K. Baberschke, Structure and magnetism of self-organized Ni nanostructures on Cu(0 0 1) 10
Liu, S.X., see Reed, M.L. 177
Lopusnik, R., see Bauer, M. 165

Ma, Z., see Zhang, H. 67
Maret, M., M. Albrecht, J. Köhler, R. Poinsot, C. Ulhaq-Bouillet, J.M. Tonnerre, J.F. Berar and E. Bucher, Magnetic anisotropy and chemical long-range order in epitaxial ferrimagnetic $CrPt_3$ films 151
Marin, C.N., see Mălăescu, I. 91
Mendoza-Suárez, G., H.A. Davies and J.I. Escalante-García, ${}_jH_c$, J_r and $(BH)_{max}$ relationship in PrFeB melt spun alloys 97
Mirone, A., M. Sacchi, E. Dudzik, H. Dürr, G. van der Laan, A. Vaurès and F. Petroff, Study of the magnetic order in a Co/Cr multilayer by magnetic Bragg diffraction at the Co 2p resonance 137
Mitchell, J.F., see Roy, M. 191
Mălăescu, I. and C.N. Marin, Deviation from the superparamagnetic behaviour of fine-particle systems 91
Murillo, N. and J. González, Effect of the annealing conditions and grain size on the soft magnetic character of FeCu(Nb/Ta)SiB nanocrystalline alloys 53

Oepts, W., R. Coehoorn, J.C.S. Kools and W.J.M. de Jonge, Enhanced anisotropy of permalloy layers sputter deposited on V-grooved substrates and tilted surfaces 114
Okuda, T., see Kobayashi, K.-I. 17
Oleszak, D., see Jartych, E. 247
Oliveira, I.S., see Sinnecker, E.H.C.P. L132
Otaigbe, J.U., see Xiao, J. 60

Pascual, L., see Chen, D.-X. L5
Petroff, F., see Mirone, A. 137
Piercy, A.R., see Wang, B.W. 198
Pękała, M., see Jartych, E. 247
Poinsot, R., see Maret, M. 151
Potashnik, S.J., see Roy, M. 191
Poulopoulos, P., see Lindner, J. 10
Pullar, R.C., A method for the preparation of aligned fibre samples for magnetic measurement using VSM L1

Qiao, Y., see Wang, Z. 72

Rainforth, W.M., see Huo, S. 103
Ramanathan, A., see Sekar, R. 266
Rechenberg, H.R., see Diao, X.G. 81
Rechenberg, H.R., see Goya, G.F. 221
Reed, M.L., S.X. Liu, J.C. Roberts, H.H. Stadelmaier, S.M. Bedair and N.A. El-Masry, The planar Hall effect in MnSb films and MnSb-based multilayer structures grown on (1 1 1)B GaAs 177
Ritter, C., see Schobinger-Papamantellos, P. 31
Roberts, J.C., see Reed, M.L. 177
Roy, M., J.F. Mitchell, S.J. Potashnik and P. Schiffer, Field dependent specific-heat of rare earth manganites 191

Sacchi, M., see Mirone, A. 137
Schiffer, P., see Roy, M. 191
Schobinger-Papamantellos, P., K.H.J. Buschow, C.H. de Groot, F.R. de Boer and C. Ritter, Magnetic ordering of the $R_6Fe_{13}Sn$ (R = Nd, Pr) compounds studied by neutron diffraction 31
Scorzelli, R.B., see Diao, X.G. 81
Sekar, R., G. Vaidyanathan and A. Ramanathan, Effect of rotation on ferro thermohaline convection 266
Shen, B.G., see Dai, W. 25
Shen, B.G., see Gu, B.X. 49
Shiga, M., see Wada, H. 203
Sinnecker, E.H.C.P., I.S. Oliveira, P. Tiberto and A.P. Guimarães, Magnetic and structural properties of Cu–Co granular alloys measured with NMR L132
Sorescu, M., Magnetic properties of metallic glasses using the laser-Mössbauer method 211
Stadelmaier, H.H., see Reed, M.L. 177
Strydom, A.M., see Kaczorowski, D. 238
Sukstanskii, A. and V. Korenivski, Magnetostatic spin waves in metallic multilayers 144

Tanabe, Y., see Wada, H. 203
Tchoula Tchokonte, M.B., see Kaczorowski, D. 238
Teillet, J., see Khélifati, G. 42
Theissmann, R., see Ehrenberg, H. 261
Tiberto, P., see Sinnecker, E.H.C.P. L132
Tokura, Y., see Kobayashi, K.-I. 17
Tomioka, Y., see Kobayashi, K.-I. 17
Tonnerre, J.M., see Maret, M. 151
Trouw, F., see Ehrenberg, H. 261
Tucker, J.W., see Huo, S. 103

Ulhaq-Bouillet, C., see Maret, M. 151
Ullakko, K., see Glavatska, N.I. 256

Vaidyanathan, G., see Sekar, R. 266
Van Ek, J., see Dimitrov, D.V. 273
Van der Laan, G., see Mirone, A. 137
Vaurès, A., see Mirone, A. 137

Wada, H., Y. Tanabe, K. Hagiwara and M. Shiga, Magnetic phase transition and magnetocaloric effect of $DyMn_2Ge_2$ 203
Wang, B.W., S.C. Busbridge, Y.X. Li, G.H. Wu and A.R. Piercy, Magnetostriction and magnetization process of $Tb_{0.27}Dy_{0.73}Fe_2$ single crystal 198
Wang, R., see Wang, Z. 72
Wang, Z., S. Zhou, Y. Qiao, M. Zhang and R. Wang, Effects of quenching rate on the phase transformation and magnetic properties of melt-spun $Pr_8Fe_{86}B_6$ ribbons during annealing 72
Weitzel, H., see Ehrenberg, H. 261
Wltschek, G., see Ehrenberg, H. 261
Wu, G.H., see Wang, B.W. 198

Xiao, J., J.U. Otaigbe and D.C. Jiles, Modeling of magnetic properties of polymer bonded Nd–Fe–B magnets with surface modifications 60
Xiao, J.Q., see Dimitrov, D.V. 273

Yue, Z., see Zhang, H. 67

Zhai, H.R., see Gu, B.X. 49
Zhang, H., L. Li, Z. Ma, J. Zhou, Z. Yue and Z. Gui, Investigation on permeability–frequency characteristics and microstructure of composite ferrites 67
Zhang, M., see Wang, Z. 72
Zhao, T., see Fujiwara, H. L129
Zhou, J., see Zhang, H. 67
Zhou, S., see Wang, Z. 72
Żurawicz, J.K., see Jartych, E. 247

ELSEVIER

Journal of Magnetism and Magnetic Materials 218 (2000) 298–299

Journal of magnetism and magnetic materials

www.elsevier.com/locate/jmmm

Subject index to volume 218

Alignment L1
Alloys 97
Amorphization 211
Amorphous alloys 49
Amorphous wires L5
Anisotropy 182, 273
Antiferromagnetics 261
Antiferromagnetism 31
Antiferromagnets 273
Astroid L129

Bethe lattice 121
Bloch lines 103

Chemical long-range order 151
Circular susceptibility L5
Coercivity 53
Colossal magnetoresistance 191
Composite ferrites 67
Convection 266
Corrosion and oxidation 60
Couplng 287
$CrPt_3$ alloy films 151
Crystallization 211
Crystallization temperature 49
Curie temperature 49

Demagnetizing effects L5
Dissipation 144
Domain wall structure 103

Eddy currents 144
Effective vector field L129
Electrical transport 238
Ericsson cycle 25

Ferrimagnet 229
Ferrimagnetism 221
Ferrites L1
Ferrofluids 266
Ferromagnet 229
Ferromagnetic 177
Ferromagnetic working substance 25
Fibres L1
Film 182
Fine particles 91
Fine-particle systems L132
First-order phase transition 203

GaAs 177
Granular alloy L132

Hexaferrites 67
High-energy magnet 25
Hydrogen 42
Hyperfine interactions 247
Hypocycloid L129
Hysteresis 60
Hysteresis loop L5

Initial magnetization 229
Initial permeability 67
Insulator–metal transition 17
Iron films 103
Iron nitrides 81
Irreversible loss in flux 60

Kinetics 256

Laser processing 211
Laves phase 198
Local anisotropie L5

Magnetic anisotropies 165
Magnetic anisotropy 10, 114, L129, 151, 221
Magnetic damping 165
Magnetic domains 198, 229
Magnetic entropy 203
Magnetic field 256
Magnetic moment 49
Magnetic multilayers 137, 144
Magnetic ordering 31
Magnetic properties 72, L132
Magnetic properties relationship 97
Magnetic refrigeration 25
Magnetic ultrathin films 10
Magnetic viscosity 221
Magnetic X-ray scattering 137
Magnetism 182
Magnetization 238, 247
Magnetization process 198
Magnetization reversal 165
Magnetization work 53
Magnetocaloric effect 25, 203
Magnetoresistance 17
Magnetostatic spin waves 144
Magnetostriction 198
Manganites 191
Martensite 256
Mechanical alloying 247
Mechanical milling 42
Melt spun ribbons 72
Meta-magnetism 203
Metallic glasses 211
Micromagnetic calculation 103
Microstructure 67
MnSb 177
Modeling 60
Mössbauer spectroscopy 42, 81, 211, 247
Multi-fold symmetry L129
Multicomponent fluids 266
Multilayers 177

Nanocomposite magnets 72
Nanostructured materials 221
Neutron diffraction 31
Nickel 10
NMR L132
Nucleation field 273
Numerical calculations 165

Ordered double perovskite 17

Para-ferrimagnetic transition 287
Percolation 17
Permalloy 114
Phase transformation 72
Phase transitions 182

0304-8853/00/$ - see front matter © 2000 Elsevier Science B.V. All rights reserved.
PII: S0304-8853(00)00470-4

Planar Hall effect 177
Polymer-bonded magnet 60

Rare earth compound 31
Rare-earth compounds 238
Rare-earth iron compounds 198
Recombination 42
Relaxation processes 91
Relaxation time 287

Sample preparation L1
Scanning tunneling microscopy 10
Self-organized nanostructures 10
Soft nanocrystalline alloys 53
Specific heat 191
Spin arrangements 261
Spin echo L132
Spin glass 221
Spin-3/2 Ising system 121
Sputter deposition 114
Strain 256
Sublattices 287
Superparamagnetic behaviour 91
Surface 182
Surface modification 60

The exact recursion equations 121
Time evolution of magnetization 165

Ultra-high frequency 144
Ultrashort magnetic field pulses 165
Uniaxial anisotropy L129

V-grooved substrates 114
VSM L1

X-ray diffraction 42

Zero-field-cooled magnetization 229